

## Giga+ Category 6 Patch Panel

Giga+ is truly a channel solution for higher standards not only the ones being developed by ISO/IEC and TIA/EIA. Giga+ has the highest bandwidth potential of any copper channel in existence today. Exceeding proposed TIA/EIA and ISO/IEC 11801-B Category 6\* Channel specifications with a substantial safety margin. All Giga+ components are tuned to work in unison for a clear and balanced transmission channel. So, Giga+ can easily handle emerging protocol technologies, such as Gigabit Ethernet and 1.2/2.4 Gbps ATM consistently and reliably. It has impressive headroom the ultimate in future proofing Insurance. So, your network investment will be protected well into the unpredictable future! Proposed Gigabit Ethernet and 622 Mbps ATM transmission are guaranteed through our 25 Year Applications Assurance Warranty program So, you can relax. Giga+ is a long term Investment that will keep you on the cutting edge for years to come. To get the longest lasting copper-based system at a competitive price per port, choose the one with the highest level of technology available today-Giga+.

### SPECIFICATIONS

#### Materials

- Connecting : Polycarbonate UL94V-0, phosphor bronze, bright tinlead over nickel plating.
- Modular Jack : Modified polyphenylene oxide UL94V-0, contact wires 50u inches (1.27um) gold over 3urn nickel plating.
- Mounting : Rack-mounted 19" panels comply with EIA-RS-310

#### Mechanical Characteristics

- Plug retention in jack : withstand 30 lbs of axial load
- Temperature : -40°C to +70°C
- Mating cycles : minimum 1000(IEC 603.7/Class A)
- Durability : 750 insertions
- Conductor termination : 250

#### Electrical Characteristics

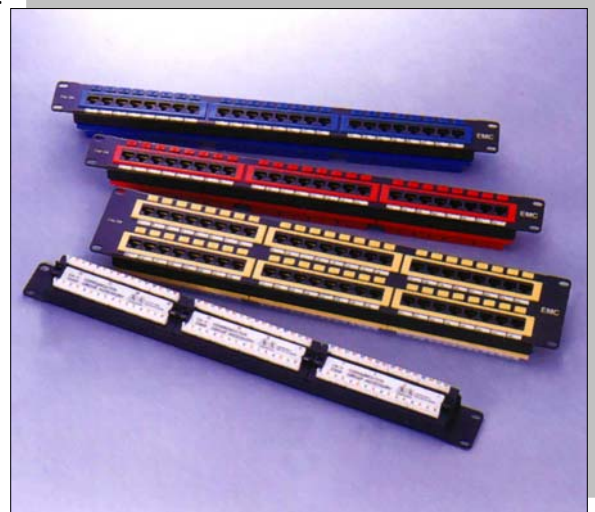
- Dielectric strength (conductor-conductor) : 1000V, 60Hz/min
- Dielectric strength(conductor-screen) : 1 500V, 60Hz/min
- Insulation resistance : > 500 M ohms(500VDC)
- Contact resistance : < 20 milliohm
- Current : 1.5 Ampere
- Voltage : 150VAC

#### Features

- 8 Cat 6 110 RJ 45 per module, easy to facilitate zone cabling solution.
- Universal wiring EIA/TIA 568A and 568B combined in one part number.
- Meets the most stringent EMC standard EN 55022/Class B CSA Fcc Parts 68 subpart F ATSM6D4566 POWER SUM TP-PMD/CDDI.
- P.C.B desing Insulation Displacement Contact termination technique for in stallation cables with conductor diameters 22 AWG to 26 AWG.
- Meets EIA/TIA 568-B.2 TSB-40 CAT.6 compliant according to ISO/IEC 11801 Class E ISO 8877 EN50173 specifications.
- With color coded Icon cutout meet EIA/TIA 606.

## 1U Wiring Mangement

- Compatible with the equipment that meet 19 ANSI/EIA RS-310-C,D,E,F.
- Extruded Aluminum W/ Powder Coated.
- SNAP FASTENER is optional to fix the panel cover.
- W/ Black and Beige finish
- W/ Snap Fastener and standard one model for optional.



Part umbers	Description
352616-X	16 Port Cat.6 Patch panel 44(1U)
352624-X	24 Port Cat.6 Patch panel 44(1U)
352632-X	32 Port Cat.6 Patch panel 88(2U)
352648-X	48 Port Cat.6 Patch panel 88(2U)
19000-1	1U Wiring Mangement

Color Cord X : R=Red B=Black W=White Y=Yellow  
U=Blue C=Gray G=Green O=Orange

#### Transmission Characteristics

Frequency (MHz)	ATTENUATION	NEXT	PSNEXT	ELEXT	PSELEXT	RL	ACR	PSACR
1	1.9	77	75	68	65	20	75.3	73.3
4	3.8	68	66	56	53	23	64.5	62.5
8	5.4	64	62	50	47	24.5	58.4	56.4
10	6.0	62	60	48	45	25	56.3	54.3
16	7.6	59	57	44	41	25	51.7	49.7
20	8.5	58	56	42	39	25	49.3	47.3
25	9.6	56	54	40	37	24.3	46.8	44.8
31.25	10.7	55	53	38	35	23.6	44.2	42.2
62.5	15.5	50	48	32	29	21.5	34.9	32.9
100	19.9	47	45	28	25	20.1	27.4	25.4
155	25.3	44	42	24	21	18.8	19.1	17.1
200	29.2	43	41	22	19	18	13.6	11.6
250	33.0	41	39	20	17	17.3	8.3	6.3
300	36.6	40	38	18	15	16.8	3.5	1.5
350	40.0	39	37	17	14	16.3	-	-